Dror Bar-Natan: Academic Pensieve: 2017-02:

Proofs of the Fundamental Identity

February 16, 2017   5:45 PM

1. Combinatorial, using binomial coefficients and the like.
2. Scatter and glow.
3. Using P, Q, and dilation operators.
4. By counting "gluings" as in Feynman diagrams.
5. By solving the heat equation.